

HP StorageWorks

4000/6000/8000 Enterprise Virtual Array connectivity 5.0A for IBM AIX release notes

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About this document

This section describes the content reflected in this document, including:

- [Release notes information](#)
- [Intended audience](#)

Release notes information

These release notes include the following topics:

- [New features](#)
- [EVA storage system](#)
- [EVA compatibility](#)
- [Storage System Scripting Utility for EVA](#)
- [Avoiding problem situations](#)
- [Operating constraints](#)

Intended audience

This document is intended for use by:

- Customers who purchased the StorageWorks 4000/6000/8000 Enterprise Virtual Array (EVA) and the IBM AIX operating system
- HP customer service personnel responsible for installing and maintaining devices connected to the EVA

Accessing future product updates

HP strongly recommends that customers sign up online using the Subscriber's choice web site:

<http://www.hp.com/go/e-updates>.

- Subscribing to this service provides you with e-mail updates on the latest product enhancements, newest versions of drivers, and firmware documentation updates as well as instant access to numerous other product resources.
- After signing up, you can quickly locate your products by selecting **Business support** and then **Storage** under Product Category.

New features

This release includes the following major enhancements:

- Support is provided for EVA4000/6000/8000 controller software 5.02.
- Support is provided for multipathing I/O (MPIO).
- Support is provide for booting from SAN with MPIO.
- Support is provided for Storage System Scripting utility (SSSU) 3.2, build 7.
- This version has the ability to coexist with other multipathing software on the same server.

EVA storage system

This document contains the most recent product information about operating the EVA on an IBM AIX system.

EVA documentation

For a complete library of EVA and related documentation, see the following web sites:

<http://www.hp.com/go/eva8000>

<http://www.hp.com/go/eva6000>

<http://www.hp.com/go/eva4000>

Product support information

Supported configurations are described in the *Enterprise Virtual Array QuickSpecs*; see the following web site:

<http://h18006.www1.hp.com/storage/index.html>

Supported configurations

Supported configurations are described in the *Enterprise Virtual Array QuickSpecs*, available at the following web site:

<http://h18006.www1.hp.com/storage/array systems.html>

The extended interoperability of the heterogeneous SAN allows you to mix several types of HP StorageWorks storage systems. The *HP StorageWorks SAN design reference guide* is a detailed guide for SAN configurations and is available at the following web site:

<http://h18004.www1.hp.com/products/storageworks/san/documentation.html>.

EVA compatibility

Table 1 lists the operating system specifications. For multipathing driver versions, see your HP StorageWorks 4000/6000/8000 Enterprise Virtual Array connectivity installation and reference guide.



NOTE:

Table 1 contains current minimum-level operating system specifications at the time of the EVA 4000/6000/8000 release. Some component versions may change due to revision. For the latest information, see the following web site: <http://h18006.www1.hp.com/storage/index.html>.

Table 1 Operating system specifications

IBM AIX version	Clustering	FCA (HBA)	Adapter driver
5.3	HACMP 5.1, 5.2	6228	Minimum Maintenance Level 00 with recommended APARs
		6239	
5.2		5716	Minimum Maintenance Level 00 with recommended APARs

Switch support

This release supports the Fibre Channel switches and firmware versions listed in the *HP StorageWorks SAN design reference guide* which can be downloaded from the following web site:

<http://h18000.www1.hp.com/products/storageworks/san/documentation.html>



NOTE:

HP recommends that you do not mix switch firmware versions in your SAN. It is considered a best practice to uniformly upgrade all switches in the SAN.

Multiple-path support

IBM AIX with EVA storage requires multipathing on each host system to achieve high-availability capability.

Supported IBM servers

Table 2 lists the EVA compatible IBM AIX server models.

Table 2 IBM AIX supported servers

Server	Number
RS/6000 (PCI and PCI-X based servers only)	43P, 44P, F50, F80, H50, H70, H80, M80, S70, S7A, S80, S85, 170, 270
SP9076 model P-series (PCI and PCI-X based servers only)	P610, P615, P620, P630, P640, P650, P655, P660, P670, P680, P690,
Power 5 servers	P520, P550, P570, P590, P595

Operating constraints

You can find information about operating constraints specific to the EVA and Command View EVA in their respective release notes.

Failover/failback

Failback preference settings for the HSV controllers are specific to the operating system. Refer to the HP StorageWorks Enterprise Virtual Array release notes for details.

Set all virtual disks for use by the IBM AIX host to `No Preference` on the Virtual Disk Properties page in Command View EVA.

Storage System Scripting Utility for EVA

The HP StorageWorks Command View EVA software includes a Storage System Scripting Utility (SSSU). You can download the HP StorageWorks Command View EVA with SSSU from the following HP web site:

<http://h18006.www1.hp.com/products/storage/software/cmdvieweva/index.html>

Avoiding problem situations

The following sections describe problems that may arise and their solutions.

Known problems

You can find information about problems specific to the EVA and Command View EVA in their respective release notes.